

Title (en)
FIXER AND IMAGE FORMING DEVICE

Title (de)
FIXIER- UND BILDERZEUGUNGSVORRICHTUNG

Title (fr)
FIXATEUR ET DISPOSITIF DE FORMATION D'IMAGE

Publication
EP 3779602 A4 20211208 (EN)

Application
EP 18911448 A 20181225

Priority
• JP 2018068352 A 20180330
• JP 2018047487 W 20181225

Abstract (en)
[origin: US2021011407A1] There is provided a fixing apparatus configured to fix a toner image on a print medium by spraying a fixing solution, the fixing apparatus including: a plurality of first nozzles from which the fixing solution is sprayed, a first electrode which extends in a first direction, and which faces the first nozzles in a second direction, a holding groove which accommodates the first electrode, which is configured to hold the fixing solution sprayed from the first nozzles, and which has a discharge port through, and a container configured to contain the fixing solution discharged from the discharge port. The holding groove has a bottom surface which is positioned apart from the first electrode in the second direction so that the fixing solution held in the holding groove passes between the first electrode and the bottom surface to flow toward the discharge port.

IPC 8 full level
G03G 15/20 (2006.01); **G03G 21/16** (2006.01)

CPC (source: EP US)
G03G 15/104 (2013.01 - US); **G03G 15/20** (2013.01 - EP US); **G03G 15/2096** (2013.01 - EP US)

Citation (search report)
• [A] WO 2017057684 A1 20170406 - BROTHER IND LTD [JP]
• [A] JP 2017068103 A 20170406 - BROTHER IND LTD
• [A] JP 2012159631 A 20120823 - RICOH CO LTD
• See references of WO 2019187425A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
US 11067929 B2 20210720; US 2021011407 A1 20210114; EP 3779602 A1 20210217; EP 3779602 A4 20211208; EP 3779602 B1 20220824; JP 2019179147 A 20191017; JP 7102865 B2 20220720; WO 2019187425 A1 20191003

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US 202017032459 A 20200925; EP 18911448 A 20181225; JP 2018047487 W 20181225; JP 2018068352 A 20180330